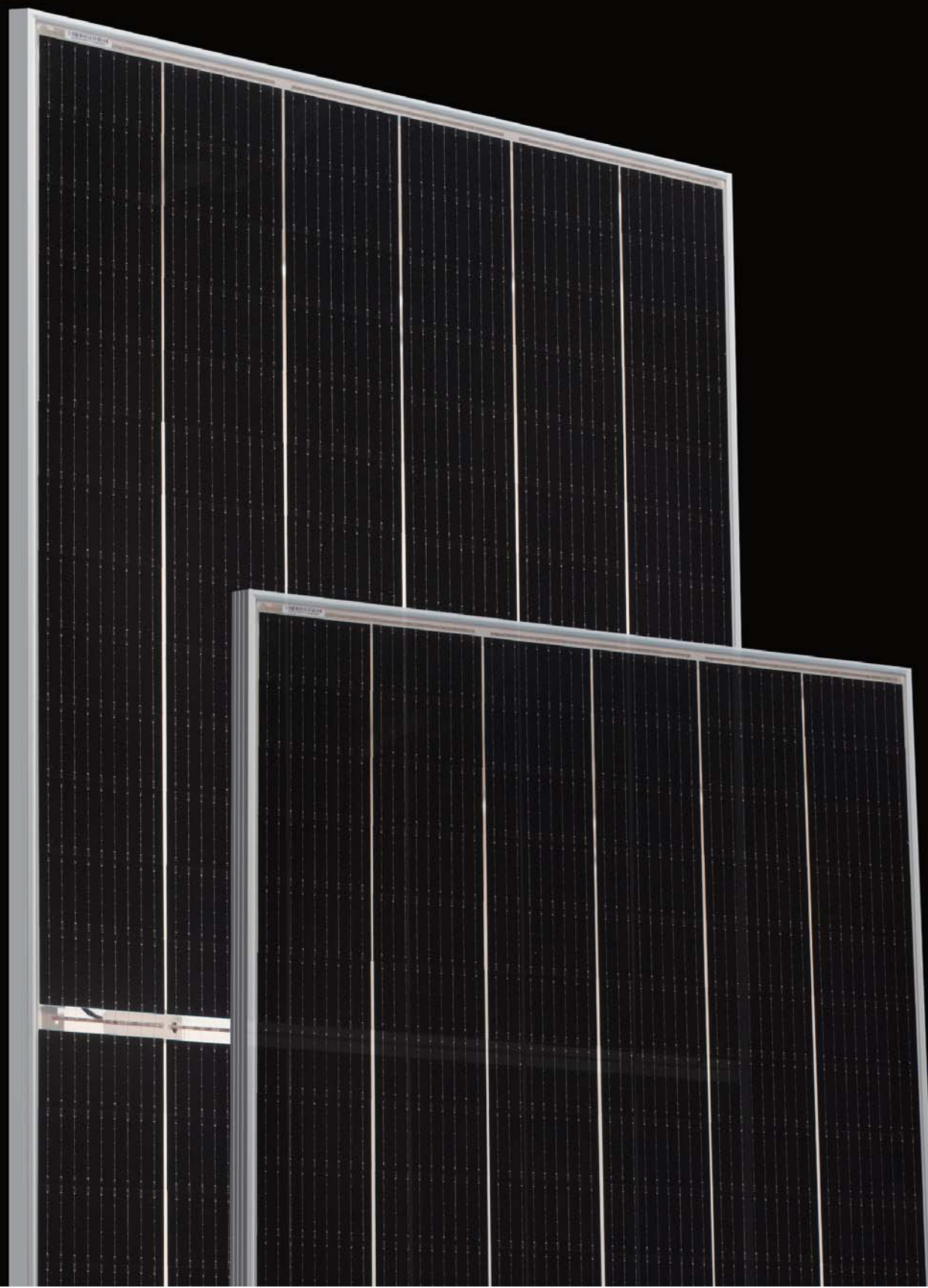


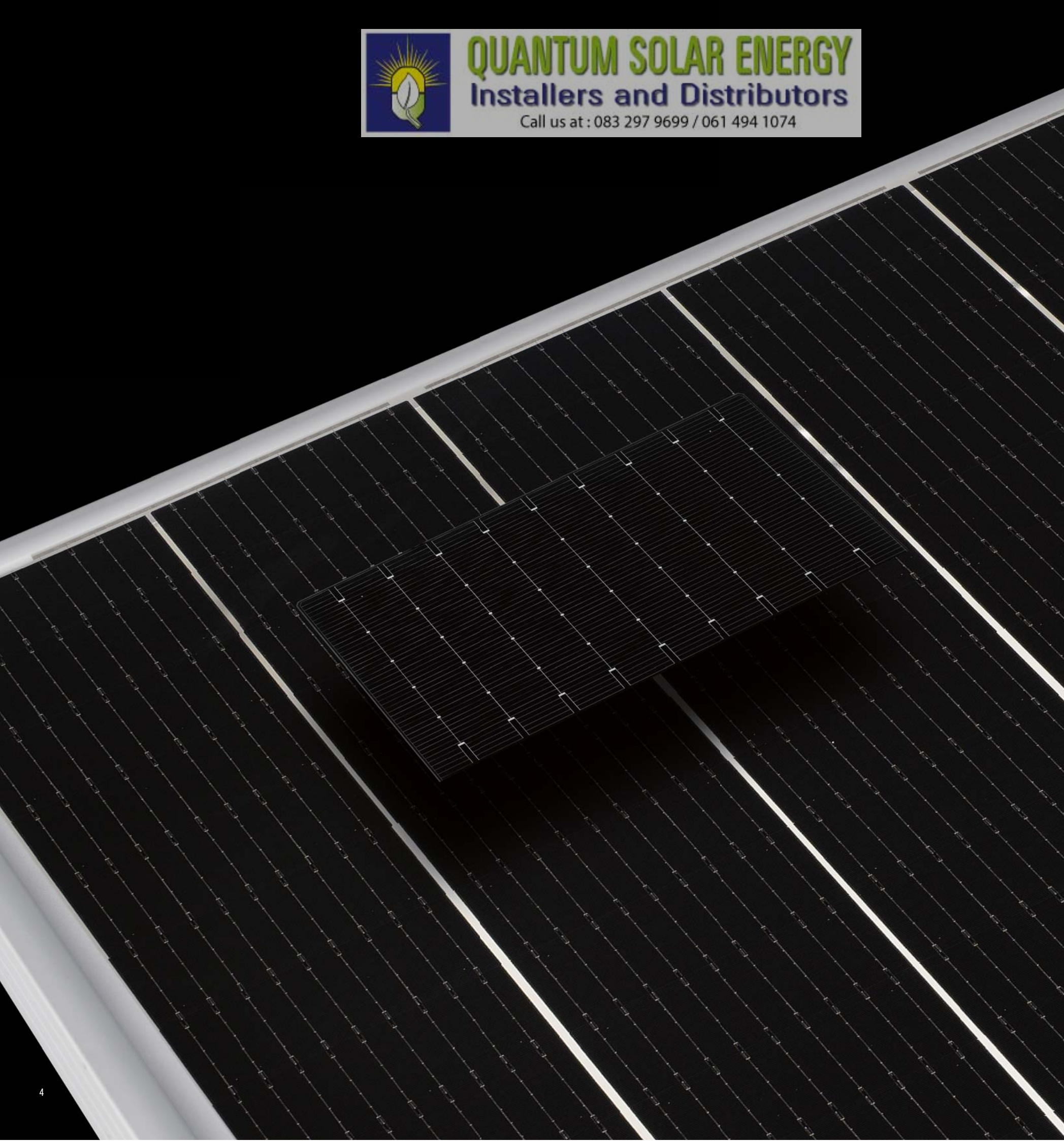
TIGER · 475W



475W

Breaking Power Records

The Ultra-high Efficiency
of **21.16%**



9 Busbar Technology

Decreasing
the Current Loss



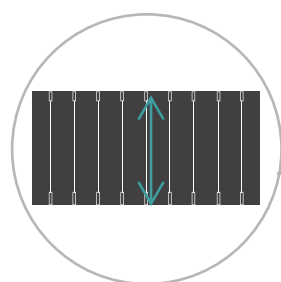
Tiling Ribbon Technology

Eliminating the
Inter-cell Gap

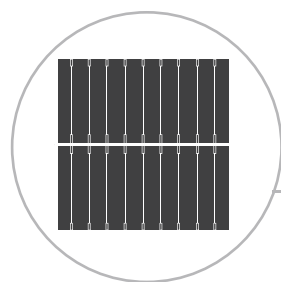


Tiger Mono-facial

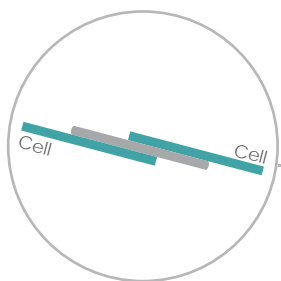
Tiger Bifacial TB



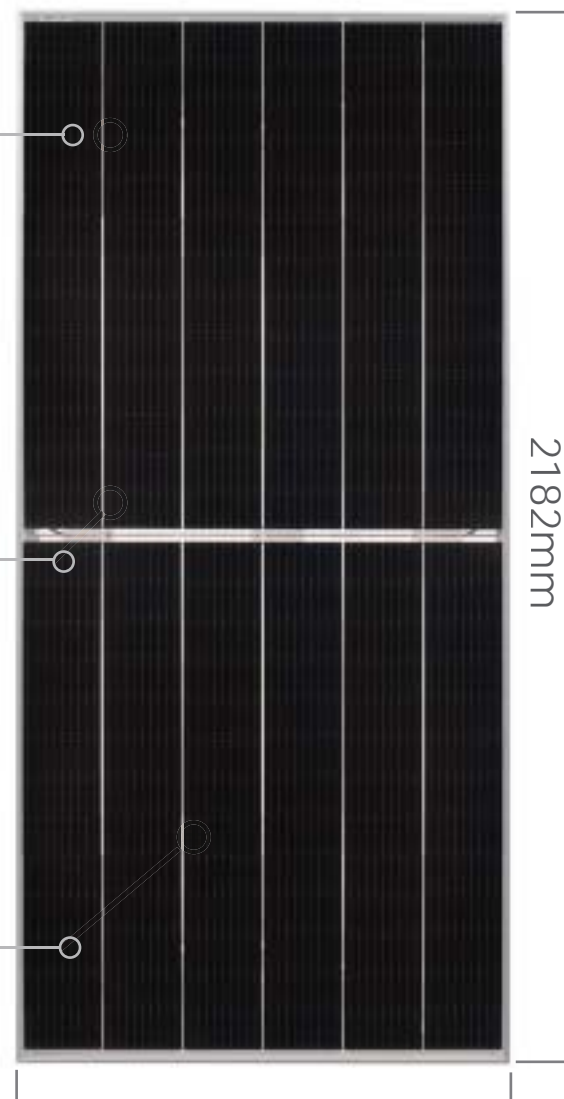
Half Cell Technology



9BB with circular ribbon

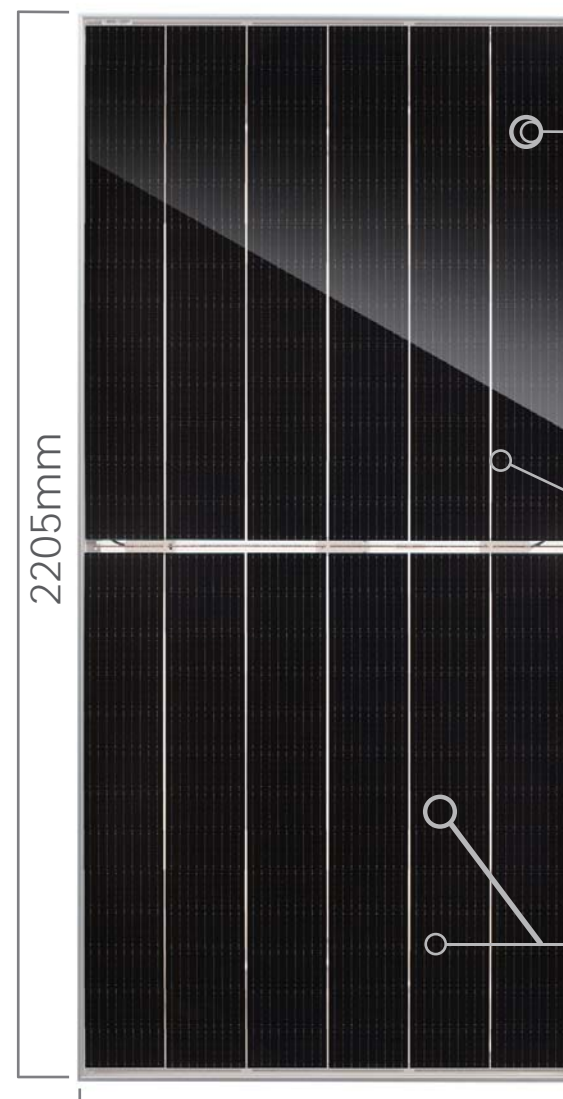


TR technology to eliminate the cell gap



1029mm

2182mm



1032mm

2205mm



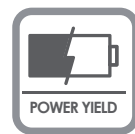
Rear side energy gain to increase IRR



Perfectly compatible with transparent backsheet, same weight with monofacial module



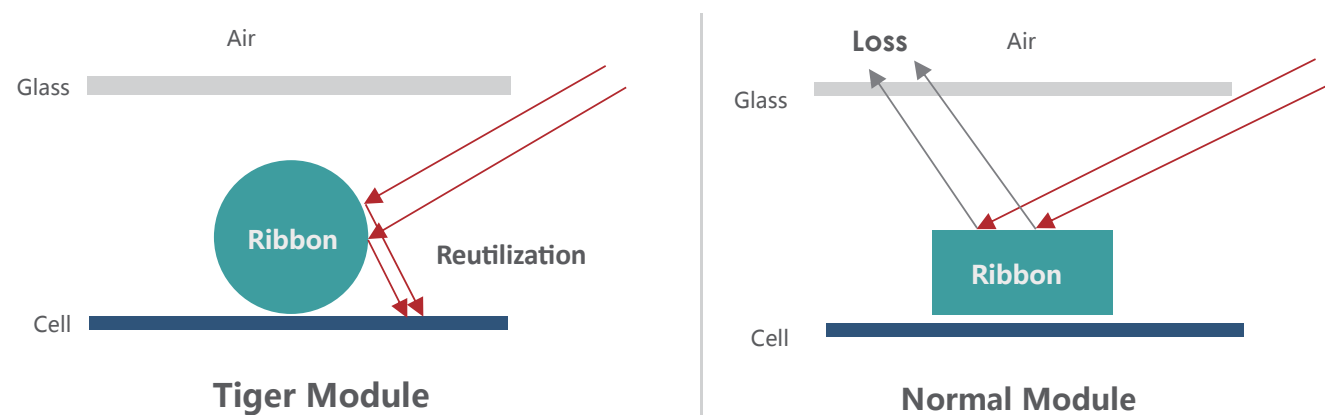
Use Dupont Tedlar film with high reliability and self-cleaning features



JinkoSolar is always focusing on creating value added for its customers. Tiger series, with the high energy density advantage and lower LCOE benefits, has been developed based on market's and customer's demands.

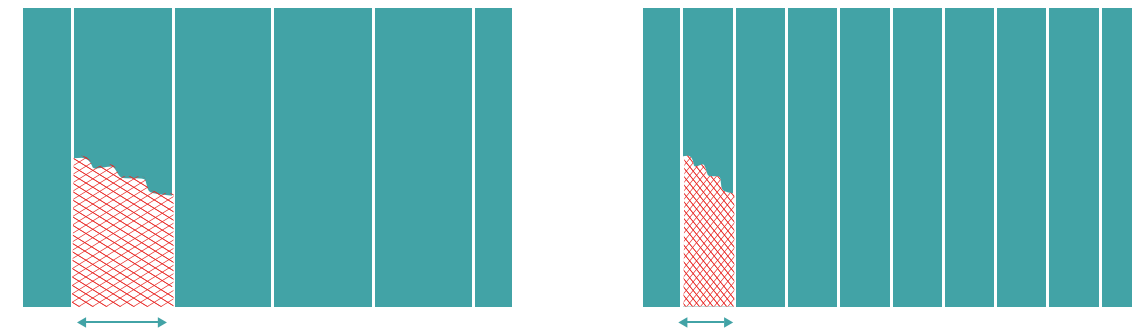
Circular Ribbon Brings More Energy

Comparing with 5BB, Tiger series module uses circular ribbon which is developed by Jinko R&D independently to achieve the reutilization of light absorption and increase energy generation.



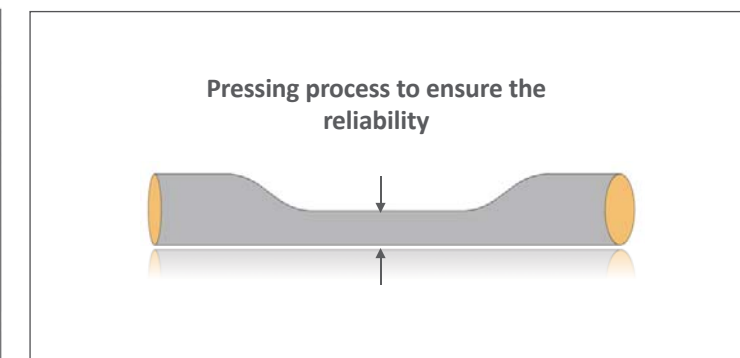
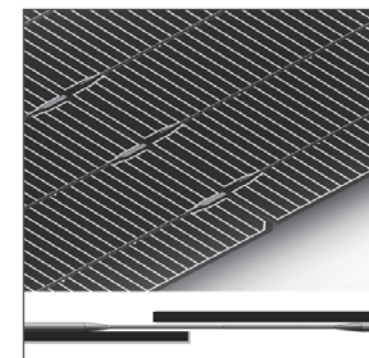
Lower Microcrack Loss

Comparing with 5BB, current transmission distance is 50% lower which decreases the power loss by micro crack.



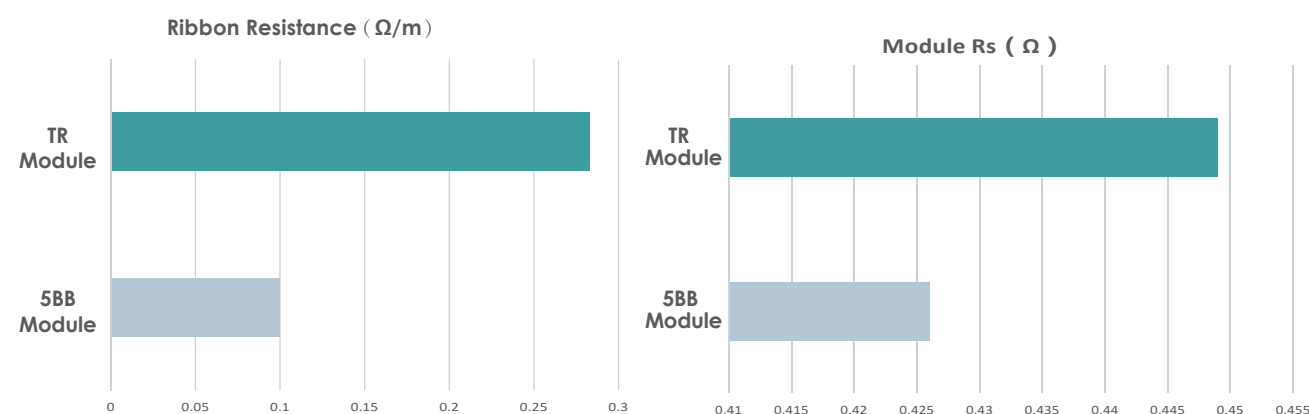
Tiling Ribbon (TR) Technology

Comparing with 5BB normal ribbon, Jinko circular ribbon has better suppleness, after the pressing process, it performs excellent reliability.

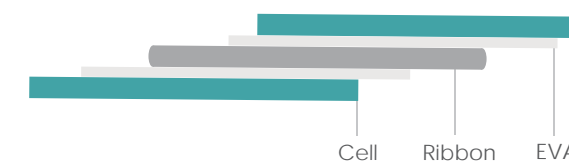


Better Performance in Low Irradiance Environment

Comparing with normal 5BB module, Rs of Tiger module will increase about 5.4% and shows better performance in low irradiance environment.



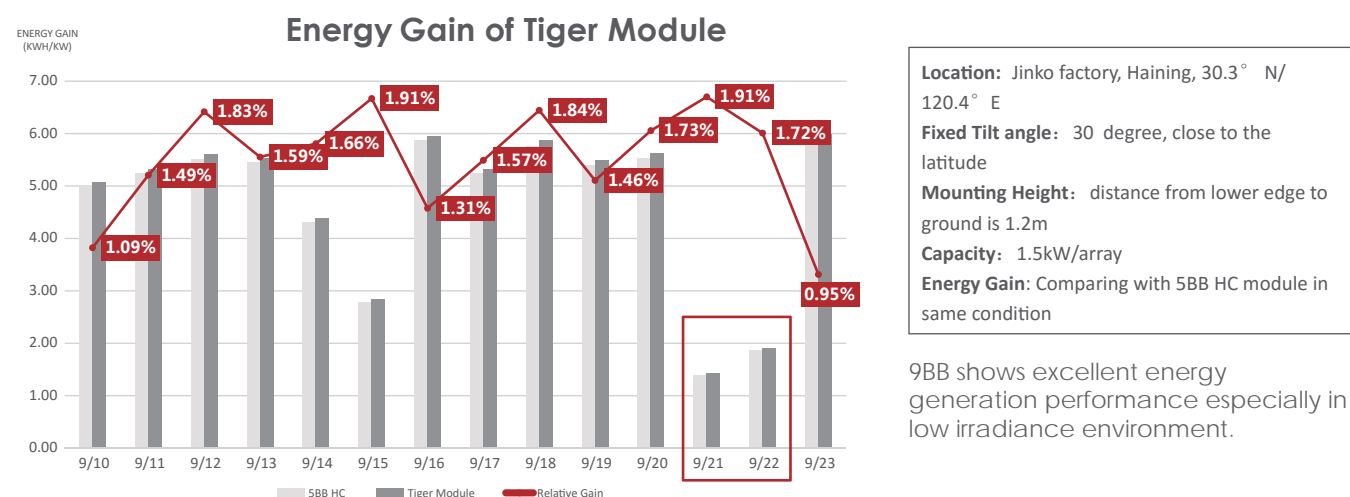
Structure diagram of overlapping area



According to the experiment, specially made EVA will fill the overlapping region that gives excellent buffering effect to ensure the reliability.

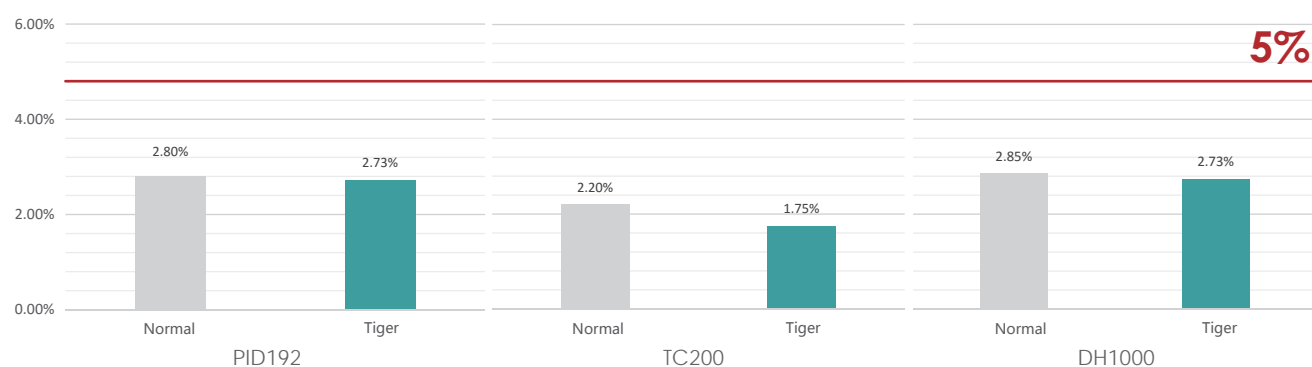
More Energy Generation

Comparing with traditional 5BB HC module, due to the secondary reflection of circular ribbon, energy generation will increase about 1.57%.



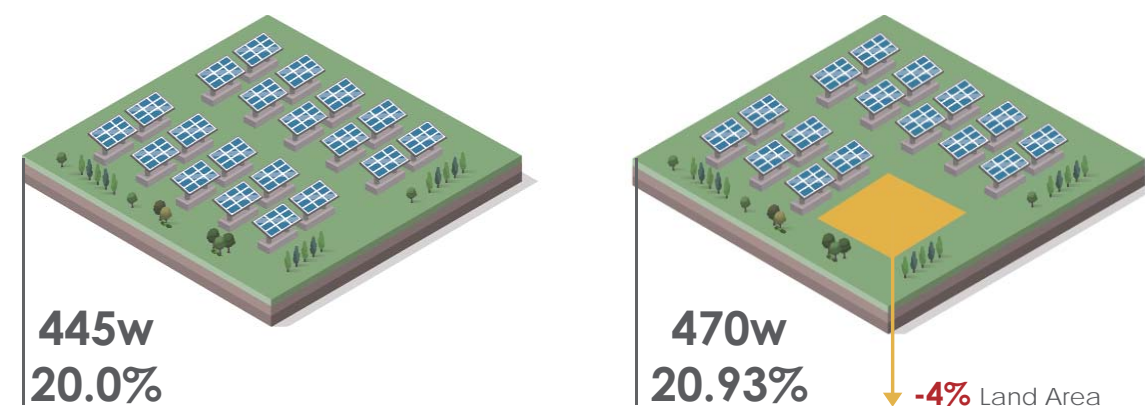
More Reliability—IEC Test

With strict reliability test in IEC61215, such as PID, TC and DH double standard test, TR module has advantages in reliability performance.



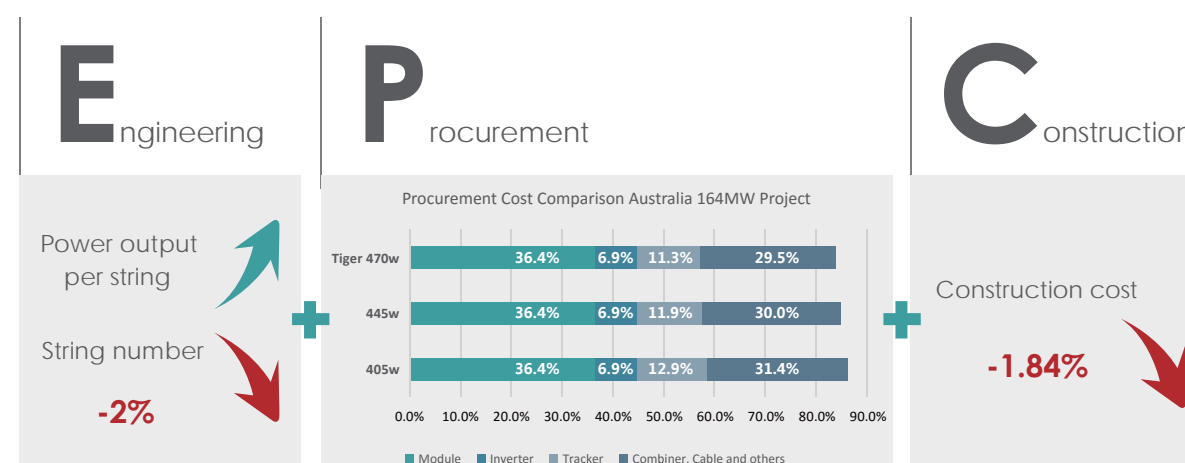
Lower Land Cost

*Example: Australia - 164MW Project



Using tiger module can save 4% land area comparing with 445w module.

Lower EPC Cost



Comparing with 445w, using tiger module can save > **1.2%** EPC cost.



QUANTUM SOLAR ENERGY
Installers and Distributors
Call us at : 083 297 9699 / 061 494 1074

Tiger Mono-facial 455-475 Watt

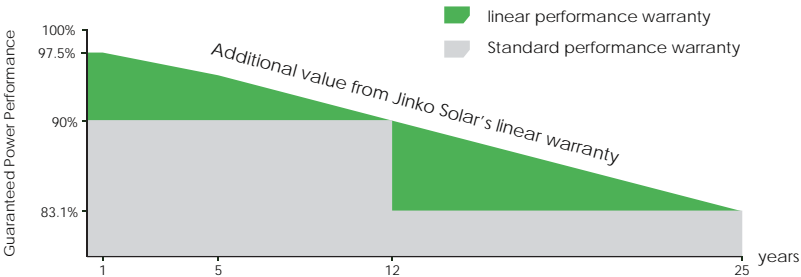
Tiling Ribbon (TR) Technology
Positive power tolerance of 0~+3%

KEY FEATURES

- TR technology + Half Cell**
TR technology with Half cell aims to eliminate the cell gap to increase module efficiency (mono-facial up to 21.16%)
- 9BB instead of 5BB**
9BB technology decreases the distance between bus bars and finger grid line which is benefit to power increase.
- Higher lifetime Power Yield**
2.5% first year degradation,
0.6% linear degradation
- Best Warranty**
12 year product warranty,
25 year linear power warranty
- Avoid debris, cracks and broken gate risk effectively**
9BB technology using circular ribbon that could avoid debris, cracks and broken gate risk effectively

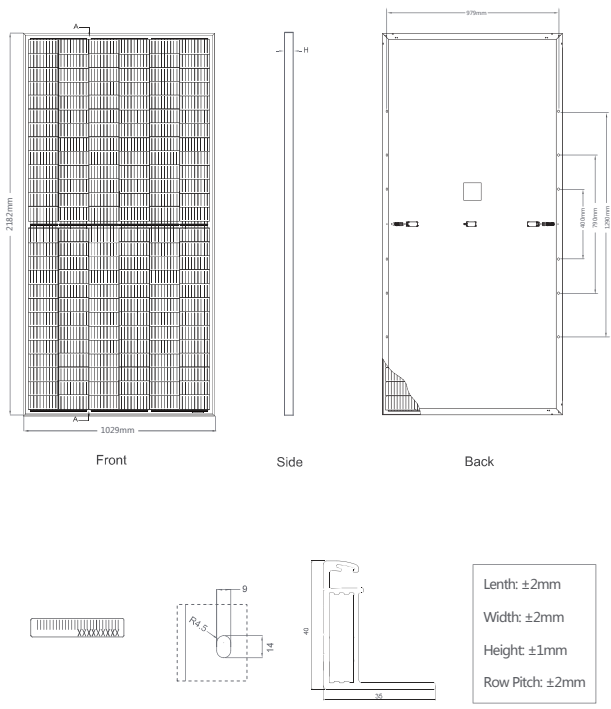
LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 25 Year Linear Power Warranty
0.6% Annual Degradation Over 25 years



- ISO9001:2015, ISO14001:2015, OHSAS18001 certified factory
- IEC61215, IEC61730 certified product

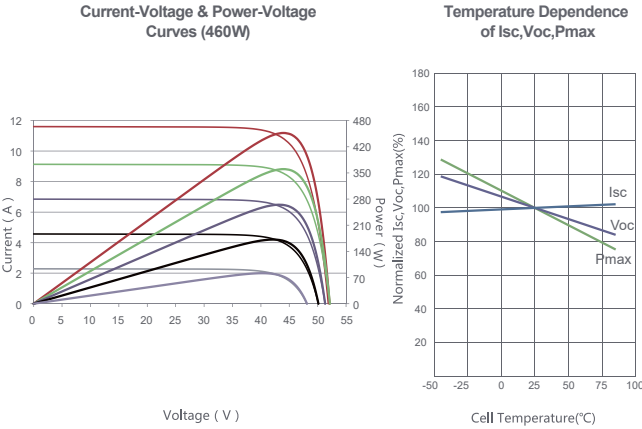
Engineering Drawings



Packaging Configuration

(Two pallets = One stack)
27pcs/pallets, 54pcs/stack, 540pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	156 (2×78)
Dimensions	2182×1029×40mm (85.91×40.51×1.57 inch)
Weight	26.1 kg (57.54 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TUV 1×4.0mm² (+): 290mm, (-): 145 mm or Customized Length

SPECIFICATIONS

Module Type	JKM455M-7RL3		JKM460M-7RL3		JKM465M-7RL3		JKM470M-7RL3		JKM475M-7RL3	
	JKM455M-7RL3-V		JKM460M-7RL3-V		JKM465M-7RL3-V		JKM470M-7RL3-V		JKM475M-7RL3-V	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	455Wp	339Wp	460Wp	342Wp	465Wp	346Wp	470Wp	350Wp	475Wp	353Wp
Maximum Power Voltage (Vmp)	42.97V	39.32V	43.08V	39.43V	43.18V	39.58V	43.28V	39.69V	43.38V	39.80V
Maximum Power Current (Imp)	10.59A	8.61A	10.68A	8.68A	10.77A	8.74A	10.86A	8.81A	10.95A	8.88A
Open-circuit Voltage (Voc)	51.60V	48.70V	51.70V	48.80V	51.92V	49.01V	52.14V	49.21V	52.26V	49.33V
Short-circuit Current (Isc)	11.41A	9.22A	11.50A	9.29A	11.59A	9.36A	11.68A	9.43A	11.77A	9.51A
Module Efficiency STC (%)	20.26%		20.49%		20.71%		20.93%		21.16%	
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/1500VDC (IEC)									
Maximum series fuse rating	20A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.35%/°C									
Temperature coefficients of Voc	-0.28%/°C									
Temperature coefficients of Isc	0.048%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

* STC: ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25°C ☁ AM=1.5
NOCT: ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20°C ☁ AM=1.5 🌀 Wind Speed 1m/s
* Power measurement tolerance: ± 3%

The company reserves the final right for explanation on any of the information presented hereby. TR JKM455-475M-7RL3-(V)-C1-EN

